

Liquid Phase Electron Microscopy Workshop – Gallery and Reviews



Company News

LIQUID PHASE ELECTRON MICROSCOPY WORKSHOP ROUND-UP

Gallery and Reviews



On the 12 November 2019, we headed up to UCL to welcome a select group of delegates for a workshop hosted by ourselves and DENSsolutions.

Delegates present were a combination of University Professors, Postdocs, PhD students and industry representatives.

This was a DENSsolutions and Quantum Design UK and Ireland collaboration with [Prof. Giuseppe Battaglia](#) and [Dr. Lorena Ruiz-Perez](#), in partnership with the EPSRC/Jeol Centre for LPEM at UCL, London UK. PhD student [Mr Cesare de-Pace](#) assisted with the running and setting-up of the TEM microscope.



Dr. Lorena Ruiz-Perez, Prof. Giuseppe Battaglia, Cesare de-Pace, Dr. Hongyu Sun, Satyam Ladva

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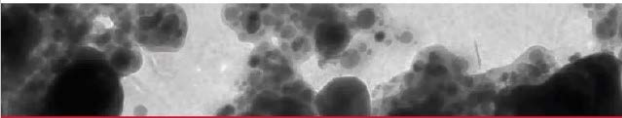
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Agenda

In-Situ Liquid Phase Electron Microscopy (LPEM) Workshop

Agenda

Date: Tuesday 12th November 2019 | 09:00 - 16:00
Venue: Nyholm Room, EPSRC/JEOL Centre for Liquid Phase Electron Microscopy, UCL Department of Chemistry | London

09:00	Registration and Coffee	
09:30	Opening Remarks Dr. Satyam Ladva, Quantum Design UK and Ireland Ltd	
09:45	Stream In-situ Liquid TEM System: Product Features and Applications Dr. Hongyu Sun, DENSolutions	
10:45	Coffee Break	
11:15	"Brownian Particle Analysis of Soft Materials and Protein in Water" Dr. Lorena Ruiz-Perez, UCL	
11:45	Sample Preparation Session	
12:15	Lunch	
13:15	Demonstration of Stream In-Situ Liquid TEM System Dr. Hongyu Sun, DENSolutions	
15:30	Q&A and Closing Remarks Dr. Satyam Ladva, Quantum Design UK and Ireland	
16:00	End of Workshop	

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DENSolutions, Quantum Design UK and Ireland, LPEM Workshop Agenda

Applications Webinar - rescheduled!

from **December 10, 2019** to **December 11, 2019**

Quantum Design Heat Capacity Option Webinar

December 10, 2019 from 7:00 pm to 7:45 pm

Frontiers in Condensed Matter Physics 2020

from **January 9, 2020** to **January 10, 2020**

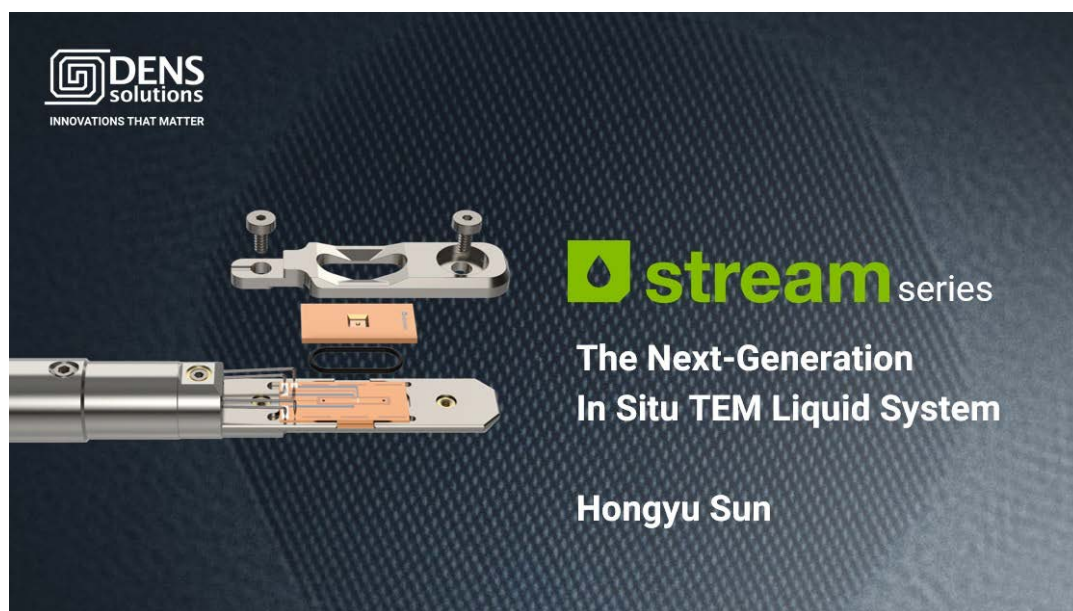
School of Physics at the University of Bristol

Our Technical Sales Engineer, [Dr. Satyam Ladva](#) started the day with his opening remarks.

[Dr. Hongyu Sun](#), Applications Specialist for DENSolutions, then spoke about the product features and applications of the Stream holder.



Hongyu Sun presents the product features and applications for the [DENSolutions Stream In-Situ TEM](#) (Liquid and Biasing or Heating)



Dr Lorena Ruiz-Perez presented “Brownian Tomography and Single Particle Analysis of Soft Materials and Protein in Water”. She discussed the application of in-situ liquid TEM for protein and ferritin-based applications. Many discussions between the attendees and hosts followed these talks.



Dr. Lorena Ruiz-Perez

Quantum Design
 ANNOUNCEMENT
**PARTNERSHIP WITH
 THE EPSRC/JEOL
 CENTRE FOR LIQUID
 PHASE ELECTRON
 MICROSCOPY**




[Read more about the DENSsolution partnership with the EPSRC/JEOL Centre of Liquid Phase Electron Microscopy](#)

The afternoon demo session was particularly useful. We had a great observation of the TEM, Stream software and Gatan camera capabilities – but it came to life when viewing all of them in combination. We also had the opportunity to see the Battaglia group's fantastic laboratory facilities.

It was very useful to see the potential application for in-situ EM, along with practical demonstrations of the technology

Lewis Anderson, The Open University

Gallery





Feedback

The overall workshop experience rated at 96%. Relevance scored at 90%. Topics rated 83% and practical demonstrations scored 86%.

Very clear, concise and useful overview of the application possibilities

Mathias Rothmann, Dept. of Physics, University of Oxford

**DON'T
MISS
OUT
NEXT
TIME**

The event proved to be very popular – all spaces were filled within a couple of days, leaving us with quite a few disappointed people. Who we will keep in touch with about future similar events. If you would like to be considered for one of these exclusive events in the future, please let us know here.

[click here to register your interest](#)

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PROF. ANGUS KIRKLAND
Science Director at the new Rosalind Franklin Institute, UK



DENSsolutions Interviews Prof. Kirkland

 **ANNOUNCEMENT**
PARTNERSHIP WITH THE EPSRC/ JEOL CENTRE FOR LIQUID PHASE ELECTRON





DENSsolutions Partnership with the EPSRC/Jeol Centre...

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Faraday joint interest group conference
2020

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